

**[SCOPE OF CLAIMS]**

[Claim 1] A recording and reproducing system comprising:

a record medium holding a plurality of data files of storing predetermined data and also holding a plurality of play list files of storing a play list describing reproduction order of said plurality of data files;

play list file menu storing means of storing a play list file menu which is information of selecting a predetermined play list file of said plurality of play list files in a play list file menu file held on said record medium;

play list file menu display means of displaying to the outside play list file menu information on all or a part of said stored play list file menu;

play list file selecting means of selecting said predetermined play list file according to an instruction from the outside; and

data reproducing means of reproducing the predetermined data stored by said plurality of data files respectively by using said reproduction order based on said selected play list file.

[Claim 2] The recording and reproducing system according to claim 1, wherein said play list file menu display means displays said play list file menu information in consideration of a type of said predetermined data reproducible by said data reproducing means.

[Claim 3] The recording and reproducing system according to claim 1, wherein said play list file menu display means displays said play list file menu information by using a thumbnail image changing according to a state in which said play list file selecting means selects said predetermined play list file.

[Claim 4] The recording and reproducing system according to claim 1, wherein said play list file menu display means displays said play list file menu information by using predetermined text data on all or a part of said play list.

[Claim 5] A recording apparatus comprising play list file menu storing means of storing a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data in a play list file menu file held by a record medium holding said plurality of data files and also holding said plurality of play list files.

[Claim 6] The recording apparatus according to claim 5, wherein:

the play list file menu information on all or a part of said stored play list file menu is displayed to the outside,

said predetermined play list file is selected according to an instruction from the outside, and

the predetermined data stored by said plurality of data files respectively is reproduced by using said reproduction order based on said selected play list file.

[Claim 7]      A reproducing apparatus comprising:

play list file menu display means of displaying to the outside play list file menu information on all or a part of a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data, said play list file menu stored in a play list file menu file held on a record medium holding said plurality of data files and also holding said plurality of play list files;

play list file selecting means of selecting said predetermined play list file according to an instruction from the outside; and

data reproducing means of reproducing the predetermined data stored by said plurality of data files respectively by using said reproduction order based on said selected play list file.

[Claim 8]      A record medium holding a plurality of data files of storing predetermined data and also holding a plurality of play list files of storing a play list describing reproduction order of said plurality of data files, and

further holding a play list file menu file of storing a play list file menu which is information of selecting a predetermined play list file of said plurality of play list files.

[Claim 9]       The record medium according to claim 8, wherein:

the play list file menu information on all or a part of said stored play list file menu is displayed to the outside,

said predetermined play list file is selected according to an instruction from the outside, and

the predetermined data stored by said plurality of data files respectively is reproduced by using said reproduction order based on said selected play list file.

[Claim 10]     A recording and reproducing method comprising:

a play list file menu storing step of storing a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data in a play list file menu file held on a record medium holding said plurality of data files and also holding said plurality of play list files;

a play list file menu display step of displaying to the outside play list file menu information on all or a part of said stored play list file menu;

a play list file selecting step of selecting said predetermined play list file according to an instruction from the outside; and

a data reproducing step of reproducing the predetermined data stored by said plurality of data files respectively by using said reproduction order based on said selected play list file.

[Claim 11] A recording method comprising a play list file menu storing step of storing a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data in a play list file menu file held on a record medium holding said plurality of data files and also holding said plurality of play list files.

[Claim 12] A reproducing method comprising:

a play list file menu display step of displaying to the outside play list file menu information on all or a part of a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data, said play list file menu stored in a play list file menu file held on a record medium holding said plurality of data files and also holding said plurality of play list files;

a play list file selecting step of selecting said predetermined play list file according to an instruction from the outside; and

a data reproducing step of reproducing the predetermined data stored by said plurality of data files respectively by using said reproduction order based on said selected play list file.

[Claim 13] A program of, per recording and reproducing method according to claim 10, causing a computer to execute:

the play list file menu storing step of storing a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data in a play list file menu file held on a record medium holding said plurality of data files and also holding said plurality of play list files;

the play list file menu display step of displaying to the outside play list file menu information on all or a part of said stored play list file menu;

the play list file selecting step of selecting said predetermined play list file according to an instruction from the outside; and

the data reproducing step of reproducing the predetermined data stored by said plurality of data files

respectively by using said reproduction order based on said selected play list file.

[Claim 14] A program of, per recording method according to claim 11, causing a computer to execute the play list file menu storing step of storing a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data in a play list file menu file held on a record medium holding said plurality of data files and also holding said plurality of play list files.

[Claim 15] A program of, per reproducing method according to claim 12, causing a computer to execute:

the play list file menu display step of displaying to the outside play list file menu information on all or a part of a play list file menu which is information of selecting a predetermined play list file of a plurality of play list files of storing a play list describing reproduction order of a plurality of data files of storing predetermined data, said play list file menu stored in a play list file menu file held on a record medium holding said plurality of data files and also holding said plurality of play list files;

the play list file selecting step of selecting said predetermined play list file according to an instruction from the outside; and

the data reproducing step of reproducing the predetermined data stored by said plurality of data files respectively by using said reproduction order based on said selected play list file.

[Claim 16] A record medium processable by a computer and supporting the program according to claim 13.

[Claim 17] A record medium processable by a computer and supporting the program according to claim 14.

[Claim 18] A record medium processable by a computer and supporting the program according to claim 15.